

5Y3GT

Full-Wave Vacuum Rectifier

GENERAL DATA

Electrical:

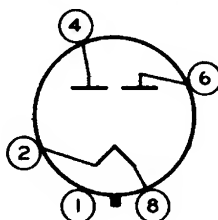
Filament, Coated:

Voltage (AC or DC) 5 volts
Current 2 amp

Mechanical:

Operating Position. Vertical, base down or up, or
Horizontal with pins 2 and 4 in vertical plane
Maximum Overall Length. 3-3/8"
Maximum Seated Length 2-13/16"
Maximum Diameter. 1-9/32"
Dimensional Outline See *General Section*
Bulb. T9
Base. Intermediate-Shell Octal 5-Pin, ←
Arrangement 1 (JEDEC Group 1, No.B5-10), or
Short Intermediate-Shell Octal 5-Pin
with External Barriers, Arrangement 1
(JEDEC Group 1, No.B5-62)
Basing Designation for BOTTOM VIEW. 5T

Pin 1 - No Connec-
tion
Pin 2 - Filament



Pin 4 - Plate No.2
Pin 6 - Plate No.1
Pin 8 - Filament

FULL-WAVE RECTIFIER

Maximum Ratings, Design-Center Values:

For power-supply frequencies of 25 to 1000 cps

PEAK INVERSE PLATE VOLTAGE. 1400 max. volts
AC PLATE SUPPLY VOLTAGE PER PLATE
(RMS, without load) See *Rating Chart I*
STEADY-STATE PEAK PLATE CURRENT
PER PLATE (See *Rating Chart II*) 440 max. ma
TRANSIENT PEAK PLATE CURRENT
PER PLATE (See *Rating Chart III*). 2.5 max. amp
DC OUTPUT CURRENT See *Rating Chart I*

Typical Operation:

	With capacitor- input filter	With choke- input filter	
AC Plate-to-Plate Supply Voltage (RMS, without load)	700	1000	volts
Filter-Input Capacitor ^a	20	-	μf

← Indicates a change.



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Filter-Input Choke. . . .	-	10	henrys
Total Effective Plate Supply Impedance			
Per Plate	50	-	ohms
DC Output Voltage at input to filter	360	380	volts
DC Output Current	125	125	ma

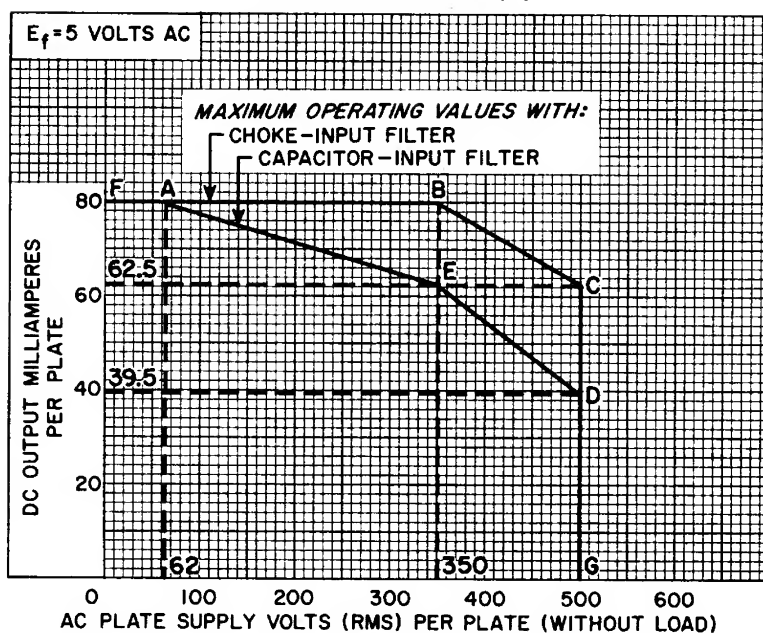
→ Characteristics, Instantaneous Test Condition:

Tube-Voltage Drop for plate ma. = 125

(Per plate) 50 volts

^a Values of capacitance greater than 20 μ f may be used, provided the plate supply impedance is increased to prevent exceeding the maximum peak-plate-current rating.

RATING CHART I



92CS-7396RI

→ Indicates a change.

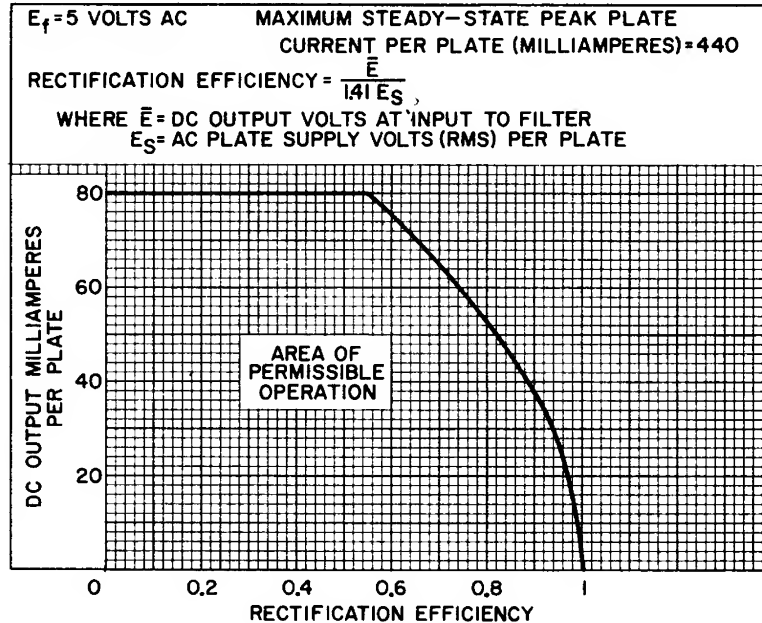
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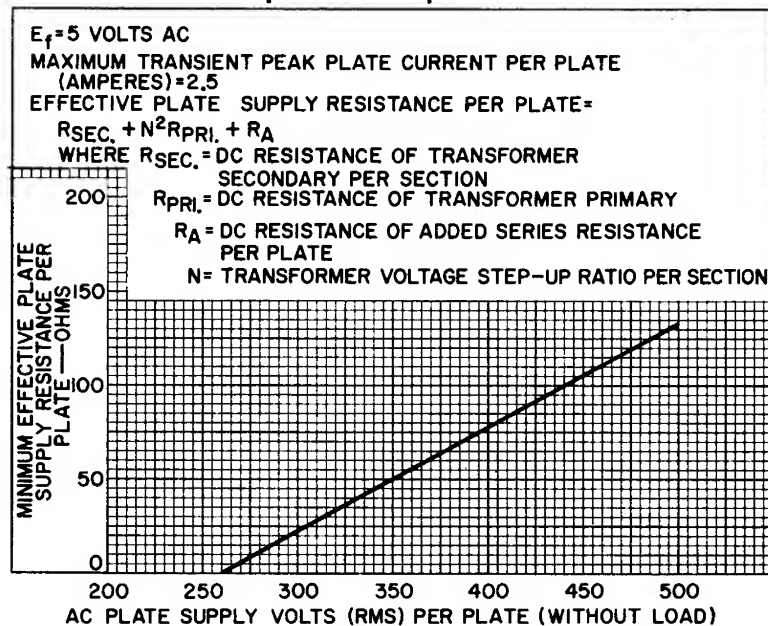
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RATING CHART II Capacitor-Input Filter



92CS-11212

RATING CHART III Capacitor-Input Filter



92CS-11213



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